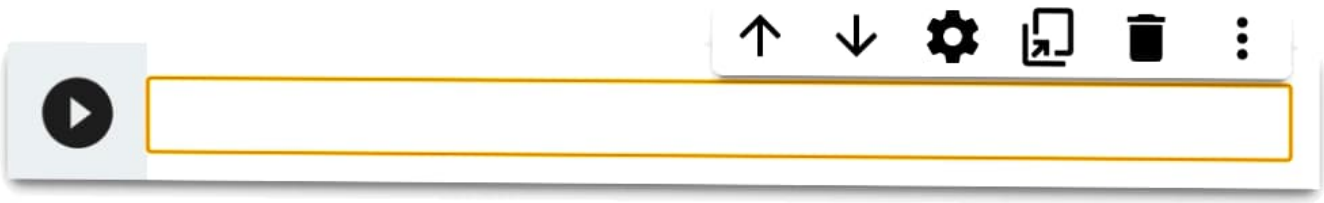
```
[ ]
```

```
[4] 3//2*5.0
```

```
5.0
```

```
[5] 3/2*5
```

```
7.5
```



```
[2] 2**3**2
```

```
512
```

```
[3] (2**3)*2
```

```
16
```

```
Lightspeed=3*108
Lightyear=3*108*31536000
print("value of lightyear is",Lightyear)
```

```
value of lightyear is 10217664000
```

```
Kilometer=float(input("total kilometers")
nm=Kilometer/0.5
print("number of nautic miles.",nm)
```

```
total kilometers20
number of nautic miles. 40.0
```

```
45/0
```

```
---------------------------------------------------------------------------
ZeroDivisionError                         Traceback (most recent call last)
<ipython-input-10-d2d7491e3159> in <module>()
----> 1 45/0

ZeroDivisionError: division by zero
```

SEARCH STACK OVERFLOW

```
mass=float(input("enter the mass"))
Velocity=float(input("enter the velocity"
momentum=mass*Velocity
print('the momentum is',momentum)
```

```
enter the mass5
enter the velocity8
the momentum is 40.0
```

```
mass=float(input("enter the mass"))
Velocity=float(input("enter the velocity"
momentum=mass*Velocity
KE=(1/2)*mass*Velocity**2

print('the momentum is',momentum)
print('the KE is',KE)
```

```
enter the mass2
enter the velocity5
the momentum is 10.0
the KE is 25.0
```

```
r=float(input("radius of sphere is"))
diameter=2*r
sa=4*3.14*r*r
Volume=(4/3)*3.14*r*r*r
print("diameter of sphere is",diameter)
print("surface area of sphere is",sa)
print("Volume of sphere is",Volume)
```

```
radius of sphere is10
diameter of sphere is 20.0
surface area of sphere is 1256.0
Volume of sphere is 4186.666666666667
```

```
[ ]
```

```
[4] 3//2*5.0

    5.0
```

```
[5] 3/2*5

    7.5
```

```
45%0
```

```
---------------------------------------
---------------------------------------
ZeroDivisionError
Traceback (most recent call last)
<ipython-input-9-7c5ca487c4eb> in
<module>()
----> 1 45%0

ZeroDivisionError: integer division or
modulo by zero
```

SEARCH STACK OVERFLOW

```
[2] 2**3**2

    512
```

```
[15] days=365
     hours=24
     minutes=60
     seconds=60
     print('number of minutes in a year:',days
```

3:52

Untitled8.ipynb - Colaboratory
colab.research.google.com

Untitled8.ipynb

RAM
Disk

```
hw=float(input("the hourly wage is"))
th=float(input("total hpurs are"))
ov=float(input("total over times "))
weeklywage=hw*th
ovw=hw*1.5
if th>30:
    print(ovw," is the weekly wage of an employee ." )
else :
    print(weeklywage, " is the weekly wage  of an employee ." )
```

```
the hourly wage is200
total hpurs are20
total over times 20
4000.0  is the weekly wage  of an employee .
```